

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (withdrawn) An imager apparatus, comprising:
a pixel; and
a first filter positioned in an incident light path for a portion of said pixel, said filter being operable to alternate between transmitting and reducing incident light on said pixel portion.
2. (withdrawn) The imager apparatus of claim 1, wherein said filter is actuatable to block substantially all incident light on said pixel portion.
3. (withdrawn) The imager apparatus of claim 2, wherein said filter comprises a ferroelectric liquid crystal filter.
4. (withdrawn) The imager apparatus of claim 1, further comprising:
at least one additional filter positioned in an in-cident light path for a respective portion of said pixel and being operable to alternate between transmitting and reducing incident light on said respective portion of said pixel.
5. (withdrawn) The imager apparatus of claim 4, wherein each additional filter is actuatable to block substantially all incident light to respective pixel portions.

6. (withdrawn) An imager system, comprising:
 - an array of pixels;
 - a light director positioned to direct light from an object onto said pixels;
 - a plurality of filters associated with each of said pixels, each of said filters being operable to alternate between transmitting and filtering said light for a respective portion of its associated pixel that is different from the pixel portion for each other filter associated with the same pixel; and
 - an operating system connected to operate the filters associated with each pixel in sequence to provide an image spatial resolution greater than without said filters.
7. (withdrawn) The imager system of claim 6, wherein said filters are operable to block substantially all light from their respective pixel portions.
8. (withdrawn) The imager system of claim 6, wherein said filters are operable to block substantially less than all light from their respective pixel portions.
9. (withdrawn) The imager system of claim 6, wherein said operating system operates the filters of each pixel separately from the filters of the other pixels.
10. (withdrawn) The imager system of claim 6, wherein said operating system concurrently operates the filters in groups of pixels.
11. (withdrawn) The imager system of claim 6, wherein said filters are positioned adjacent their respective pixels.
12. (withdrawn) The imaging system of claim 6, wherein said filters are positioned adjacent an object to be imaged.
13. (canceled)
14. (canceled)

15. (currently amended) Method for scanning an object, comprising:
directing light from different locations of the object to different portions
of a pixel;
alternately transmitting and at least partially blocking said light for said
different pixel locations in sequence with a radiation reducing filter; and
reading out said pixel at different times corresponding to the
transmission of said light to said different pixel portions;
using a processor to distinguish between pixels on the object; and
sequentially actuating the radiation reducing filters over each pixel with
a plurality of scans which are combined into a single image, wherein the sequential
actuation and plurality of scans increases the number of pixels without translating the
pixels relative to the object between scans.

16. (original) The method of claim 15, wherein said pixel is in an
array of pixels, further comprising directing light from different respective
locations of said object to different portions of each of said pixels, alternately
transmitting and at least partially blocking said light for said different pixel portions in
sequence, and reading out said pixels so that each pixel can distinguish between
more than one spatial region on said image.

17. (original) The method of claim 16, wherein said light is substantially
fully blocked for said different pixel locations.

18. (original) The method of claim 16, wherein said light is alternately
transmitted and at least partially blocked for each of said pixels separately.

19. (original) The method of claim 16, wherein said light is alternately
transmitted and at least partially blocked for groups of said pixels concurrently.